

Amdt. dated March 2, 2006
Reply to Office action of December 2, 2005

Serial No. 09/591,035
Docket No. STL920000063US1
Firm No. 0054.0047

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A computer-implemented method of adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said method comprising:

scanning the source code of the transaction-based mainframe application to identify the transaction and the related information, wherein the transaction-based mainframe application is ~~not originally designed for~~ unable to process transactions over a World Wide Web (Web)-based transactions;

storing in a database the related information identified in the scan of the source code, hereinafter identified information;

extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced;

displaying the transaction and a subset of the related information and extracted information;

allowing a user to select the transaction; and

using the identified information and extracted information to package the user-selected transaction in a form compatible with a connector building tool by generating a communication area file that may be parsed by the connector building tool to build a connector and a documentation file that provides documentation about the

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communication area file, wherein the connector enables the transaction-based mainframe application to process transactions over the web by enabling the transactions to be passed from a web application server to the transaction-based mainframe application.

2. (Previously Presented) The method of claim 1 wherein the communication area file contains information which can be parsed by a connector building tool.

3. (Previously Presented) The method of claim 2 wherein the documentation file describes the communication area file.

4. (Original) The method of claim 3 wherein the documentation file comprises field description information and connection information.

5. (Previously Presented) The method of claim 1 further comprising using the identified information and extracted information to build a connector.

6. (Previously Presented) The method of claim 5 further comprising using the identified information and extracted information to build an enterprise Java bean connector.

7. (Currently Amended) The method of claim 1 wherein the database can be queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

8. (Original) The method of claim 1 wherein the related information is a member of the set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.

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9. (Currently Amended) An article of manufacture for use in a computer system for adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said medium which causes the computer system to execute the method steps comprising:

scanning the source code of the transaction-based mainframe application to identify the transaction and the related information, wherein the transaction-based mainframe application is ~~not originally designed~~ unable to process transactions over a World Wide Web (Web);

storing in a database the related information identified in the scan of the source code, hereinafter identified information;

extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced;

displaying the transaction and a subset of the related information and extracted information;

allowing a user to select the transaction; and

using the identified information and extracted information to package the user-selected transaction in a form compatible with a connector building tool by generating a communication area file that may be parsed by the connector building tool to build a connector and a documentation file that provides documentation about the communication area file, wherein the connector enables the transaction-based mainframe application to process transactions over the web by enabling the transactions to be passed from a web application server to the transaction-based mainframe application.

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10. (Previously Presented) The article of manufacture of claim 9 wherein the communication area file contains information which can be parsed by a connector building tool.

11. (Previously Presented) The article of manufacture of claim 10 wherein the documentation file describes the communication area file.

12. (Original) The article of manufacture of claim 11 wherein the documentation file comprises field description information and connection information.

13. (Previously Presented) The article of manufacture of claim 9 wherein the method steps further comprise using the identified information and extracted information to build a connector.

14. (Previously Presented) The article of manufacture of claim 13 wherein the method steps further comprise using the identified information and extracted information to build an enterprise Java bean connector.

15. (Currently Amended) The article of manufacture of claim 9 wherein the database can be queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

16. (Original) The article of manufacture of claim 9 wherein the related information is a member of the set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.

17. (Currently Amended) A computer system for adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe

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mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said computer system comprising :

a scanner for scanning the source code of the transaction-based mainframe application to identify the transaction and the related information, wherein the transaction-based mainframe application is ~~not originally designed~~ unable to process transactions over a World Wide Web (Web);

storage for storing in a database the related information identified in the scan of the source code, hereinafter identified information;

a query for extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

an identifying computer program for identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced;

a display for displaying the transaction and a subset of the related information and extracted information;

an interface allowing a user to select the transaction; and

a packaging computer program which uses the identified information and extracted information to package the user-selected transaction in a form compatible with a connector building tool by generating a communication area file that may be parsed by the connector building tool to build a connector and a documentation file that provides documentation about the communication area file, wherein the connector enables the transaction-based mainframe application to process transactions over the web by enabling the transactions to be passed from a web application server to the transaction-based mainframe application.

18. (Previously Presented) The computer system of claim 17 wherein the communication area file contains information which can be parsed by a connector building tool.

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19. (Previously Presented) The computer system of claim 18 wherein the documentation file describes the communication area file.

20. (Original) The computer system of claim 19 wherein the documentation file comprises field description information and connection information.

21. (Previously Presented) The computer system of claim 17 further comprising a connector builder which uses the identified information and extracted information to build a connector.

22. (Previously Presented) The computer system of claim 21 wherein the connector builder uses the identified information and extracted information to build an enterprise Java bean connector.

23. (Currently Amended) The computer system of claim 17 wherein the database can be queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

24. (Original) The computer system of claim 17 wherein the related information is a member of the set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.